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THE 1982 BENCHMARK INPUT-OUTPUT
ACCOUNTS OF THE UNITED STATES

USER'S GUIDE TO BEA INFORMATION

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SURVEY of CURRENT BUSINESS

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U. S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
Bureau of Economic Analysis





USER'S GUIDE TO BEA INFORMATION

April 1992

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User's Guide to BEA Information

BEA provides basic information on such key issues as economic growth, inflation, regional development, and the Nation's role in the world economy. This guide, which lists the most recent and most frequently requested BEA products and services, helps users locate that information.

The guide contains program descriptions and

entries for specific products and services. The first section, entitled "General," describes the products and services that cut across the range of BEA's work. The following sections describe the products and services related to BEA's four program areas: National economics, regional economics, international economics, and other tools for economic analysis.

General

BEA's current national, regional, and international estimates usually appear first in news releases. (For 1992 release dates, see the inside back cover.) The information in news releases is available to the general public in three forms: On recorded telephone messages, online through the Economic Bulletin Board, and in *BEA Reports*. This section describes these services, as well as the *SURVEY OF CURRENT BUSINESS*—BEA's monthly publication of record—and products related to it. Most of BEA's work is presented in the *SURVEY OF CURRENT BUSINESS*, either in full or in summary form. The presentations of current estimates and analyses are usually on a regular schedule; this schedule is noted in each of the program-description sections that follow. For more information on BEA's programs, products, and services, write to the Public Information Office, BE-53, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 523-0777; TDD: (202) 523-3506.

1.1 Recorded Telephone Messages. Brief (3–5 minutes) recorded telephone messages summarizing key estimates immediately after their release. The messages are available 24 hours a day for several days following release. The usual time of release (eastern standard or eastern daylight time) and the telephone numbers to call are as follows:

Leading Indicators (8:30 a.m.)	(202) 898-2450
<i>The message is updated weekly, usually on Monday, to include recently available component data that will be incorporated into the next release.</i>	
Gross Domestic Product (8:30 a.m.)	-2451
Personal Income and Outlays (10:00 a.m.)	-2452
Merchandise Trade, Balance of Payments Basis or U.S. International Transactions (10:00 a.m.)	-2453
<i>The message summarizes the more recently released of these two series.</i>	

1.2 Economic Bulletin Board. Online computer access to news releases and other information. BEA places an increasing range of its information on the Economic

What's New?

- *U.S. Direct Investment Abroad: 1989 Benchmark Survey, Preliminary Results* (see entry no. 10.9);
- *1982 Benchmark Input-Output Accounts of the United States* (see entry no. 4.1);
- *CD-ROM Containing Over 20 Years of Local Area Economic Data* (see entry no. 6.1).

General—
Continued***How To Use This Guide***

Entries in this guide are arranged by program area. Each program area includes a list of products available as well as telephone numbers for users who have questions or need assistance.

Each BEA product or service is available from one of three sales agents, abbreviated as follows:

BEA—Bureau of Economic Analysis

GPO—U.S. Government Printing Office, Superintendent of Documents

NTIS—National Technical Information Service

Each product's listing identifies the sales agent and includes a stock or accession number to be used when ordering. An order form from each sales agent, including specific ordering information, is provided at the end of this guide.

Bulletin Board (EBB) maintained by the Office of Business Analysis (OBA) of the Department of Commerce. News releases are available on the Bulletin Board shortly after their release. Selected estimates and articles such as the "Business Situation" and other SURVEY OF CURRENT BUSINESS articles are also available. (Other items in this guide that are available through the EBB are marked "EBB" after the title.) The Bulletin Board may be accessed by personal computer, computer terminal, or word processor equipped with a modem; the information available on it—which includes information from several Federal agencies—may be either viewed on the user's screen or downloaded. The Bulletin Board is available by subscription from OBA. A \$35.00 registration fee covers 2 hours of connect time on the system; additional time is charged by the minute. Instant hook-up is available. High-speed service is available at additional cost. For more information, call the Commerce Department's Office of Business Analysis at (202) 377-1986.

1.3 BEA Reports (EBB, news release). Five sets of reports that present the information contained in the BEA news releases for the following areas: Gross domestic product; personal income and outlays; regional reports; international reports; and composite indexes of leading, coincident, and lagging indicators. The reports contain summary estimates. All reports are available online through the EBB (see entry no. 1.2). The printed reports are mailed the day after estimates are released. Annual subscriptions to the printed reports may be ordered for individual sets or for all five sets. Order information for the five sets is given below. For information on individual sets, see the following corresponding entries: Gross domestic product, entry no. 2.1; personal income and outlays, entry no. 2.2; regional reports, entry no. 5.1; international reports, entry no. 8.1; and composite indexes, entry no. 11.1.

All Five Sets. Usually a total of 55 printed reports. Available from BEA: Accession No. 53-91-11-019, price \$110.00 per year.

1.4 SURVEY OF CURRENT BUSINESS (publication). A monthly journal containing estimates and analyses of U.S. economic activity. Includes the "Business Situation"—a review of current economic developments—and regular and special articles pertaining to the national, regional, and international economic accounts and related topics. Among the special articles that appeared in 1991 were "Gross Product by Industry, 1977-88: A Progress Report on Improving the Estimates," "Comprehensive Revision of the U.S. National Income and Product Accounts: A Review of Revisions and Major Statistical Changes," "Gross State Product by Industry, 1977-89," and "Valuation of

the U.S. Net International Investment Position." Current quarterly estimates of the national income and product accounts (see entry no. 2.0) appear every month.

The SURVEY also contains two statistical sections that present an array of economic data from public and private sources. The Business Cycle Indicators section consists of tables for about 270 series and charts for about 130 series that are widely used in analyzing current cyclical developments. The Current Business Statistics section consists of tables for over 1,900 series covering general business activities and specific industries. The SURVEY is available from GPO: List ID SCUB, price \$29.00 per year (domestic second-class mail), \$36.25 (foreign second-class mail), or \$76.00 (domestic first-class mail); single copy price, \$8.00 (domestic) and \$10.00 (foreign). Foreign airmail delivery rates are available upon request from GPO.

1.5 Current Business Statistics (EBB, diskette). Series shown in the Current Business Statistics section (or S-pages) of the current issue of the SURVEY OF CURRENT BUSINESS. Updated monthly. Available online through the EBB (see entry no. 1.2). The diskettes are available from BEA on a subscription basis: Accession No. 52-87-41-411, price \$200.00 per year.

1.6 Business Statistics, 1963-91 (publication). Monthly or quarterly data for 1988-91 and annual data for 1963-91 for series that appear in the Current Business Statistics section (or S-pages) of the SURVEY OF CURRENT BUSINESS. These series include business sales, inventories, and orders; prices; employment and unemployment; construction; banking and finance; transportation; and many other industries and commodities. An appendix provides data for principal BEA series of the national income and product accounts and of U.S. international transactions. Also contains definitions of terms, sources of data, and methods of compilation. Now being prepared: Should be available from GPO in the summer of 1992.

1.7 The National Trade Data Bank (CD-ROM). Access to international economic statistics and trade marketing information produced by the Federal Government. BEA places a significant number of its information programs in the National Trade Data Bank (NTDB). These include international transactions, foreign direct investment, balance of payments, annual and quarterly national income and product accounts, and others. The NTDB contains over 50 information programs from 15 Government agencies, including export and import statistics, foreign marketing reports, "how-to" guides for exporters, and names of companies overseas that want to do business with U.S. exporters. The NTDB is produced monthly by the Office of Business Analysis (OBA) using Compact Disc Read-Only Memory (CD-ROM) technology; the discs (similar to discs used in audio systems) are designed for use with IBM-compatible personal computers equipped with a relatively inexpensive CD-ROM reader. The NTDB may be ordered from OBA by calling (202) 377-1986; individual discs cost \$35.00 and an annual subscription (12 monthly discs) is \$360.00. The NTDB is also available for public use at nearly 700 Federal Depository Libraries located throughout the Nation.

Need Help? Try An Index!

SURVEY OF CURRENT BUSINESS:

- Subject Index—in every June and December issue.
- NIPA Index—just after the NIPA tables in the January 1992 issue.
- S-Pages Index—at the back of the S-pages in every issue.
- C-Pages Index—page C-47 of the October 1991 issue.

National Economics

National income and product accounts

BEA's national economics program encompasses the national income and product accounts, government transactions on a national income and product accounting basis, and the input-output accounts.

2.0 The national income and product accounts (NIPA's) show the value and composition of the Nation's output and the distribution of incomes generated in its production. The accounts include estimates of gross domestic product (GDP)—the market value of the Nation's output of goods and services—in current and constant dollars, GDP price measures, the goods and services that make up GDP in current and constant dollars, national income, personal income, and corporate profits. In addition, BEA produces specialized measures such as estimates of auto and truck output, gross domestic product of corporate business, housing output, and business inventories and sales. Measures of the inventory and fixed capital stocks consistent with the NIPA output measures are also provided. Further, the accounts provide a consistent framework within which estimates of special interest—such as expenditures to protect the environment—are prepared. (Information about the environmental estimates is provided in program description 12.0.)

The estimates of GDP are prepared each quarter in the following sequence: *Advance* estimates are released in the first month after the end of the quarter, and, as more detailed and comprehensive data become available, *preliminary* and *final* estimates are released in the second and third months, respectively. Estimates of personal income and outlays are prepared each month. The NIPA's are also revised in each of the following 3 years, usually in July, and in comprehensive (benchmark) revisions, usually every 5 years (most recently in 1991). Current quarterly and monthly estimates are reported in the SURVEY OF CURRENT BUSINESS; quarterly NIPA estimates appear in a set of 53 "selected" tables, and monthly personal income and outlays estimates are reported in the Current Business Statistics (or S-pages). The full set of annual revisions (134 tables) usually is reported in the July issue. Annual estimates of the fixed capital stock are reported in the August issue.

In addition to the current and historical estimates described in the entries that follow, a considerable amount of component detail (for example, purchases of private structures by type) and industry detail (for example, change in business inventories by industry) is available. For further information about this detail or about the listed computer tapes, printouts, and diskettes, write to the National Income and Wealth Division, BE-54, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 523-0669. For specific questions, the following telephone numbers may be used:

GDP	(202) 523-0824
Personal income and outlays	-0832
Corporate profits	-0888
Personal consumption expenditures	-0819
Gross private domestic investment	-0791
GDP by industry	-0795

A recorded telephone message summarizing the latest GDP estimates is available by calling (202) 898-2451 (see entry no. 1.1). A recorded message summarizing the latest personal income and outlays estimates is available at (202) 898-2452.

Current estimates

2.1 **BEA Reports:** Gross Domestic Product (EBB, news release). Monthly reports with summary NIPA estimates that feature GDP and corporate profits. Reports are available online through the EBB (see entry no. 1.2). Printed reports are mailed the day after estimates are released. (This set of reports is included in the five sets of BEA Reports; see entry no. 1.3.) The gross domestic product printed reports are available from BEA on a subscription basis: Accession No. 53-91-11-015, price \$24.00 per year.

2.2 BEA Reports: Personal Income and Outlays (EBB, news release). Monthly reports with summary NIPA estimates that feature personal income and outlays. Reports are available online through the EBB (see entry no. 1.2). Printed reports are mailed the day after estimates are released. (This set of reports is included in the five sets of *BEA Reports*; see entry no. 1.3.) The personal income and outlays printed reports are available from BEA on a subscription basis: Accession No. 53-91-11-014, price \$24.00 per year.

2.3 Monthly Advance National Income and Product Accounts Tables (EBB, diskette, or printout). NIPA estimates as they appear in the current issue of the *SURVEY OF CURRENT BUSINESS*. Updated monthly. Available online through the EBB (see entry no. 1.2). Diskettes and printouts are available 1 day after the release of GDP and are available from BEA on a subscription basis:

Diskette—Accession No. 54-85-41-401, price \$200.00 per year.

Printout—Accession No. 54-83-21-201, price \$100.00 per year.

2.4 Key Source Data and Assumptions (EBB, printed table). Available source data and assumptions for missing source data that are used to prepare the advance estimates of GDP. Available in January, April, July, and October. Available online through the EBB (see entry no. 1.2). Annual subscriptions for the printed table begin in January and are available from BEA: Accession No. 54-84-21-209, price \$25.00 per year.

2.5 National Income and Product Accounts (diskette). The full set of NIPA tables, most with estimates from 1959 to the present. Available from BEA: Accession No. 54-89-41-401, price \$100.00 (5 diskettes). (Diskettes can be ordered individually; for information, write or call the National Income and Wealth Division.)

Historical estimates

2.6 National Income and Product Accounts (computer tape). The full set of NIPA tables, most with estimates from 1959 to the present. Available from BEA: Accession No. 54-83-01-001, price \$100.00.

2.7 The National Income and Product Accounts of the United States, Statistical Supplement: Volume 1, 1929-58; Volume 2, 1959-88 (publication). The full set of NIPA tables. Includes statistical conventions and the definitions and classifications underlying the NIPA's. (1992) Now being prepared: Vol. 2 should be available from GPO in the summer of 1992 and Vol. 1 in the fall of 1992.

Summary tables listing the principal source data and estimating methods used to prepare the NIPA estimates are included in the articles in the *SURVEY OF CURRENT BUSINESS* that describe annual revisions to the NIPA's. These tables were last published in the July 1990 issue and will be updated for the July 1992 issue. A number of papers that provide detailed descriptions of NIPA concepts and methodologies have been published (see next entry).

NIPA methodology

NOTE.—The methodologies used to prepare the NIPA's are periodically refined to incorporate definitional changes, new source data, and/or new estimating procedures. In most cases, changes in methodology are introduced as part of the annual revisions that usually occur each July or as part of the comprehensive revisions that occur about every 5 years. The major methodological changes introduced in recent annual revisions are described in articles about the revised estimates in the July 1986, 1987, 1988, 1989, and 1990 issues of the *SURVEY OF CURRENT BUSINESS*. The major methodological changes introduced in the most recent comprehensive revision are listed on pages 38-39 of the December 1991 *SURVEY*.

Methodology Papers (publications). A series of papers that documents the conceptual framework of the NIPA's and the methodology used to prepare the estimates. To date, six papers are available.

**National
Economics—
Continued**

2.8 **An Introduction to National Economic Accounting** (NIPA Methodology Paper No. 1). An introduction to the concepts of the U.S. NIPA's that places these accounts within the larger framework of national economic accounting. Shows the step-by-step derivation of a general national economic accounting system from the conventional accounting statements used by business and government and inferred for other transactors. Also shows how the income and product accounts, the capital finance accounts, and the input-output accounts—the major branches of national economic accounting in the United States today—are derived from this general system. Also appeared in the March 1985 SURVEY OF CURRENT BUSINESS. (1985) Available from NTIS: Accession No. PB 85-247567, price \$12.50 (paper copy), \$9.00 (microfiche).

2.9 **Corporate Profits: Profits Before Tax, Profits Tax Liability, and Dividends** (NIPA Methodology Paper No. 2). A description of the concepts, sources, and methods of the corporate profits components of the NIPA's. (1985) Available from NTIS: Accession No. PB 85-245397, price \$19.00 (paper copy), \$9.00 (microfiche).

2.10 **Foreign Transactions** (NIPA Methodology Paper No. 3). A description of the preparation of estimates in the NIPA's of net exports (both current- and constant-dollar), transfer payments to foreigners, capital grants received by the United States, interest paid by Government to foreigners, and net foreign investment. Also describes the relationship between foreign transactions estimates in the NIPA's and those in the balance of payments accounts. (1987) Available from NTIS: Accession No. PB 88-100649, price \$19.00 (paper copy), \$9.00 (microfiche).

2.11 **GNP: An Overview of Source Data and Estimating Methods** (NIPA Methodology Paper No. 4). Basic information about GNP, including the conceptual basis for the account that presents GNP, definitions of each of the components on the income and product sides of that account, and a summary, presented in tabular form, of the source data and methods used in preparing estimates of current- and constant-dollar GNP. Also provides an annotated bibliography, with a directory, of the more than 50 items over the last decade that provided methodological information about GNP. Appeared in the July 1987 SURVEY OF CURRENT BUSINESS. (1987) Available from NTIS: Accession No. PB 88-134838, price \$17.00 (paper copy), \$9.00 (microfiche).

2.12 **Government Transactions** (NIPA Methodology Paper No. 5). Presents the conceptual basis and framework of government transactions in the national income and product accounts, describes the presentation of the estimates, and details the sources and methods used to prepare estimates of Federal transactions and of State and local transactions. (1988) Available from NTIS: Accession No. PB 90-118480, price \$26.00 (paper copy), \$9.00 (microfiche).

2.13 **Personal Consumption Expenditures** (NIPA Methodology Paper No. 6). Presents the conceptual basis and framework for personal consumption expenditures (PCE) in the NIPA's, describes the presentation of the estimates, and details the sources and methods used to prepare annual, quarterly, and monthly estimates of PCE. Includes a bibliography, definitions, and convenient tabular summaries of estimating procedures. (1990) Available from GPO: Stock No. 003-010-00200-0, price \$4.50.

*Other information
related to the NIPA's*

2.14 **The Underground Economy: An Introduction** (reprint). A discussion of the coverage, measurement methods, and implications of the underground economy. Part of the discussion features the relation between the NIPA's and the underground economy: Illegal activities in the context of the NIPA's, three sets of NIPA estimates

sometimes misunderstood as being measures of the underground economy, and the effect on NIPA estimates of possible misreporting in source data due to the underground economy. Article appeared in the May 1984 and July 1984 issues of the SURVEY OF CURRENT BUSINESS. (1984) Available from BEA: Accession No. 53-84-10-001, price \$5.00.

2.15 Evaluation of the GNP Estimates (reprint). An evaluation of the GNP estimates, covering the reliability of estimates, sources of error and types of statistical improvement, status of source data, documentation of methodology, release schedules, and security before release. This article appeared in the August 1987 SURVEY OF CURRENT BUSINESS. (1987) Available from BEA: Accession No. 53-88-10-001, price \$5.00.

2.16 The Use of National Income and Product Accounts for Public Policy: Our Successes and Failures (BEA Staff Paper No. 43). An evaluation using two indirect approaches. The first reviews the "accuracy" of the estimates, using the size of revisions to GNP estimates as an indicator. The second reviews users' recommendations drawn from publications issued over the last 30 years. (1985) Available from NTIS: Accession No. PB 86-191541, price \$17.00 (paper copy), \$9.00 (microfiche).

2.17 Wealth (diskette, computer tape). Annual estimates of gross and net stocks, depreciation, and discards for fixed nonresidential private and residential capital, durable goods owned by consumers, and fixed capital owned by governments. For fixed private capital, contains estimates by each NIPA type of equipment and structures for 1925 to the present. For fixed private capital, also contains estimates of total equipment, total structures, and the total of equipment and structures owned by each two-digit Standard Industrial Classification (SIC) establishment-based industry for 1947 to the present, based on the 1987 SIC. For durable goods owned by consumers, contains estimates by each NIPA type of goods for 1925 to the present. For fixed capital owned by governments, contains estimates by each NIPA type of equipment and structures, separately for the Federal Government and for State and local governments, for 1925 to the present. The estimates are in historical-cost, constant-cost (1987 dollars), and current-cost valuations. Also includes stock series similar to those used by the Bureau of Labor Statistics to derive measures of capital input for multifactor productivity studies. The investment series used to derive all of these estimates are also included, in the same detail as the stock estimates, in historical-cost and constant-cost (1987 dollars) valuations. Updated annually. Available from BEA:

Diskette—Accession No. 54-89-40-004, price \$420.00 (21 diskettes). (Diskettes can be ordered individually for \$20.00 each; for information call (202) 523-0822.)

Computer tape—Accession No. 54-89-00-001, price \$100.00.

2.18 Detailed Investment by Industry (diskette, computer tape). Annual estimates for 1947 to the present of investment purchased by each two-digit SIC establishment-based industry, separately for each detailed NIPA type of equipment and structures, based on the 1987 SIC. (The Wealth tape and diskettes in item 2.17 also include investment series for each industry, but only for total equipment, total structures, and the total of equipment and structures.) The estimates are in historical-cost and constant-cost (1987 dollars) valuations. Updated annually. Available from BEA:

Diskette—Accession No. 54-89-40-005, price \$60.00 (3 diskettes). (Diskettes may be ordered individually for \$20.00 each; for information call (202) 523-0822.)

Computer tape—Accession No. 54-89-00-002, price \$100.00.

2.19 Detailed Wealth by Industry (diskette, computer tape). Annual estimates for 1947 to the present of gross and net stocks, depreciation, and discards for fixed nonresidential private capital owned by each two-digit establishment-based SIC industry, separately for each detailed NIPA type of equipment and structures, based on the

Wealth and related estimates

National Economics— Continued

1987 SIC. (The Wealth tape and diskettes in item 2.17 also include estimates of gross and net stocks, depreciation, and discards for each industry, but only for total equipment, total structures, and the total of equipment and structures.) Also includes stock series similar to those used by the Bureau of Labor Statistics to derive measures of capital input for multifactor productivity studies. The estimates are in constant-cost (1987 dollars) and current-cost valuations. Updated annually. Available from BEA:

Diskette—Accession No. 54-89-40-006, price \$240.00 (12 diskettes). (Diskettes can be ordered individually for \$20.00 each; for information call (202) 523-0822.)

Computer tape—Accession No. 54-89-00-003, price \$100.00.

2.20 *The United Nations System of National Accounts: An Introduction* (reprint). Describes the United Nations System of National Accounts (SNA), which is followed by most other countries, and contrasts it with the U.S. economic accounts. The article also presents estimates prepared by BEA to approximate some of the major SNA aggregates and describes the revision of the SNA that is underway. This article appeared in the June 1990 *SURVEY OF CURRENT BUSINESS*. (1990) Available upon request from the BEA Public Information Office.

Government transactions

3.0 BEA's estimates of government receipts, expenditures, and surplus or deficit are on a national income and product accounting basis. The estimates are prepared separately for Federal and for State and local governments on the same schedule as that described for the NIPA's. Reconciliations of the Federal sector on a NIPA basis and the unified budget prepared by the Office of Management and Budget are the basis for an article in the *SURVEY OF CURRENT BUSINESS*, usually in February, about Federal fiscal programs for the next fiscal year, and for detailed tables in the July issue. These reconciliations, and more specialized work such as described in the papers that follow, facilitate analysis of the effects of government fiscal policies on the economy. An article on the fiscal position of State and local governments is usually published in the February *SURVEY*. For further information, write to the Government Division, BE-57, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 523-0715. For specific questions, the following telephone numbers may be used:

Federal	(202) 523-0744
State and local	-0728
National defense	-3472

3.1 Government Transactions (NIPA)

Methodology Paper No. 5). Presents the conceptual basis and framework of government transactions in the national income and product accounts, describes the presentation of the estimates, and details the sources and methods used to prepare estimates of Federal transactions and of State and local transactions. (1988) Available from NTIS: Accession No. PB 90-118480, price \$26.00 (paper copy), \$9.00 (microfiche).

3.2 *Cyclical Adjustment of the Federal Budget and Federal Debt: Updated Detailed Methodology and Estimates* (BEA Staff Paper No. 45). Description of the models that BEA used, prior to the latest comprehensive revision of the NIPA's, to estimate the cyclically adjusted Federal budget and inflation-induced changes in the cyclically adjusted budget. The quarterly data for the variables in the models and the regression equations underlying the coefficients are presented. The paper also discusses the cyclical adjustment of Federal debt and shows some results. NOTE.—The procedures described in this staff paper have not been updated to reflect the latest comprehensive revision of the NIPA's; publication of the estimates in the *SURVEY OF CURRENT BUSINESS* has been suspended pending this update. (1986) Available from NTIS: Accession No. PB 87-157376, price \$26.00 (paper copy), \$9.00 (microfiche).

4.0 Input-output accounts for the United States show how industries interact—providing input to, and taking output from, each other—to produce GNP. Benchmark tables, based largely on the economic censuses, are prepared every 5 years; the latest benchmark table is for 1982, and the next will be for 1987. Annual tables are prepared using basically the same procedures as used for the benchmark tables, but with less comprehensive and less reliable source data. Associated tables showing capital flows from producing to using industries and employment and employee compensation by industry are also prepared. The computer tapes, diskettes, and printouts listed below are for the tables at the 85-industry level; more detailed tables are also available. For further information about this detail or about the listed computer tapes, diskettes, and printouts, write to the Interindustry Economics Division, BE-51, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 523-0792. For specific questions, the following telephone numbers may be used:

Benchmark tables	(202) 523-0683
Goods-producing industries	-0843
Services-producing industries	-3505
Annual tables	-0867
Computer tapes, diskettes, and printouts	-0792

4.1 The 1982 Benchmark Input-Output Accounts of the United States (publication). This volume contains the use and make tables and total output multipliers for BEA's 1982 benchmark input-output (I-O) study at the 541 I-O industry/commodity level of detail. Includes discussion of analytical and statistical uses of data, description of sources and methods, and overview of industry and commodity classification. (1991) Available from GPO: Stock No. 003-010-00226-3, price \$19.00.

4.2 1982, 85-Industry Input-Output Tables (computer tape, diskette, and printout). Five tables: (1) Use table, (2) make table, (3) commodity-by-industry direct requirements table, (4) commodity-by-commodity total requirements table, and (5) industry-by-commodity total requirements table. (1992) Available from BEA:

Computer tape—Accession No. 51-91-00-004, price \$100.00.

Diskette—Accession No. 51-91-40-008, price \$20.00.

Printout—Accession No. 51-91-20-002, price \$55.00.

4.3 Annual 85-Industry Input-Output Tables Based on the 1977 Benchmark Input-Output Study: 1986 Summary Input-Output Tables (computer tape, diskette, and printout). Five tables: (1) use tables, (2) make table, (3) commodity-by-industry direct requirements table, (4) commodity-by-commodity total requirements table, and (5) industry-by-commodity total requirements table. (1991) Available from BEA:

Computer tape—Accession No. 51-91-00-001, price \$100.00.

Diskette—Accession No. 51-91-40-401, price \$40.00 (two diskettes). (Diskettes can be ordered separately for \$20.00 each; please specify diskette A for tables 1, 2, and 3 or diskette B for tables 4 and 5.)

Printout—Accession No. 51-91-20-201, price \$55.00.

4.4 Annual 85-Industry Input-Output Tables Based on the 1977 Benchmark Input-Output Study: 1985 Summary Input-Output Tables (computer tape, diskette, and printout). Five tables: (1) Use table, (2) make table, (3) commodity-by-industry direct requirements table, (4) commodity-by-commodity total requirements table, and (5) industry-by-commodity total requirements table. Available from BEA:

Computer tape—Accession No. 51-90-00-001, price \$100.00.

Diskette—Accession No. 51-90-40-401, price \$40.00 (two diskettes). (Diskettes can be ordered separately for \$20.00 each; please specify diskette A for tables 1, 2, and 3 or diskette B for tables 4 and 5.)

Printout—Accession No. 51-90-20-201, price \$55.00.

Input-output accounts

Based on the 1982 benchmark

Based on the 1977 benchmark

National
Economics—
Continued

4.5 Annual 85-Industry Input-Output Tables Based on the 1977 Benchmark Input-Output Study: 1984 Summary Input-Output Tables (computer tape, diskette, and printout). Five tables: (1) Use table, (2) make table, (3) commodity-by-industry direct requirements table, (4) commodity-by-commodity total requirements table, and (5) industry-by-commodity total requirements table. Available from BEA:

Computer tape—Accession No. 51-89-00-002, price \$100.00.

Diskette—Accession No. 51-89-40-402, price \$40.00 (two diskettes). (Diskettes can be ordered separately for \$20.00 each; please specify diskette A for tables 1, 2, and 3 or diskette B for tables 4 and 5.)

Printout—Accession No. 51-89-20-202, price \$55.00.

4.6 Annual 85-Industry Input-Output Tables Based on the 1977 Benchmark Input-Output Study: 1983 Summary Input-Output Tables (computer tape, diskette, and printout). Five tables: (1) Use table, (2) make table, (3) commodity-by-industry direct requirements table, (4) commodity-by-commodity total requirements table, and (5) industry-by-commodity total requirements table. Available from BEA:

Computer tape—Accession No. 51-89-00-001, price \$100.00.

Diskette—Accession No. 51-89-40-401, price \$40.00 (two diskettes). (Diskettes can be ordered separately for \$20.00 each; please specify diskette A for tables 1, 2, and 3, or diskette B for tables 4 and 5.)

Printout—Accession No. 51-89-20-201, price \$55.00.

4.7 Annual 85-Industry Input-Output Tables Based on the 1977 Benchmark Input-Output Study: 1982 Summary Input-Output Tables (computer tape, diskette, and printout). Five tables: (1) Use table, (2) make table, (3) commodity-by-industry direct requirements table, (4) commodity-by-commodity total requirements table, and (5) industry-by-commodity total requirements table. Available from BEA:

Computer tape—Accession No. 51-88-00-001, price \$100.00.

Diskette—Accession No. 51-88-40-401, price \$40.00 (two diskettes). (Diskettes can be ordered separately for \$20.00 each; please specify diskette A for tables 1, 2, and 3 or diskette B for tables 4 and 5.)

Printout—Accession No. 51-88-20-201, price \$55.00.

4.8 Annual 85-Industry Input-Output Tables Based on the 1977 Benchmark Input-Output Study: 1981 Summary Input-Output Tables (computer tape, diskette, and printout). Five tables: (1) Use table, (2) make table, (3) commodity-by-industry direct requirements table, (4) commodity-by-commodity total requirements table, and (5) industry-by-commodity total requirements table. Available from BEA:

Computer tape—Accession No. 51-87-00-003, price \$100.00.

Diskette—Accession No. 51-87-40-409, price \$40.00 (two diskettes). (Diskettes can be ordered separately for \$20.00 each; please specify diskette A for tables 1, 2, and 3 or diskette B for tables 4 and 5.)

Printout—Accession No. 51-87-20-218, price \$55.00.

4.9 Annual 85-Industry Input-Output Tables Based on the 1977 Benchmark Input-Output Study: 1980 (Revised) Summary Input-Output Tables (computer tape, diskette, and printout). Five tables: (1) Use table, (2) make table, (3) commodity-by-industry direct requirements table, (4) commodity-by-commodity total requirements table, and (5) industry-by-commodity total requirements table. Available from BEA:

Computer tape—Accession No. 51-87-00-002, price \$100.00.

Diskette—Accession No. 51-87-40-406, price \$40.00 (two diskettes). (Diskettes can be ordered separately for \$20.00 each; please specify diskette A for tables 1, 2, and 3 or diskette B for tables 4 and 5.)

Printout—Accession No. 51-87-20-212, price \$55.00.

BEA's regional economics program provides estimates, analyses, and projections by region, State, metropolitan area, and county.

Regional Economics

5.1 BEA Reports: Regional Reports (EBB, news release). Reports (usually six a year) with summary estimates of State personal income (quarterly and annual) and of county and metropolitan area personal income (annual). Reports are available online through the EBB (see entry no. 1.2). (The EBB carries, in addition to the news release, estimates of personal income by State and by county and earnings and wages by industry and by State.) The printed reports are mailed the day after estimates are released. (This set of reports is included in the five sets of *BEA Reports*; see entry no. 1.3.) These printed regional reports are available from BEA on a subscription basis: Accession No. 53-91-11-017, price \$12.00 per year.

Regional estimates

6.0 Current quarterly State personal income estimates are reported in the January, April, July, and October issues of the SURVEY OF CURRENT BUSINESS. The annual estimates of State and local area personal income for a given year are subject to successive refinement. Preliminary annual State estimates, based on the current quarterly series, are released 4 months after the close of the reference year and published in the April SURVEY OF CURRENT BUSINESS. Revised annual estimates based on more reliable source data are published in the August SURVEY. These estimates are subsequently revised to incorporate newly available information used to prepare the current local area estimates. The revised State estimates, together with the current local area estimates, are published in the following April SURVEY. The annual estimates emerging from this process are subject to further revision for several succeeding years (the State estimates in April and August and the local area estimates in April), as additional data become available. The routine revisions of the State estimates for a given year are normally completed with the fourth April release. After that, the estimates will be changed only to incorporate a comprehensive revision in the national income and product accounts, which takes place approximately every 5 years, or to make important improvements to the estimates through the use of additional or more current State and local area data.

Estimates of personal income and employment by State, metropolitan area, and county are available through the Regional Economic Information System (REIS). The system includes an information retrieval service that provides a variety of analytical tabulations for counties and combinations of counties.

All of the tabulations are available in several media.

BEA also makes its regional estimates available through the BEA User Group, members of which include State agencies, universities, and Census Bureau Primary State Data Centers. BEA provides its estimates of income and employment for all States and counties to these organizations with the understanding that they will make the estimates readily available.

For further information, write to the Regional Economic Measurement Division, BE-55, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 254-6630. For specific questions, the following telephone numbers may be used:

Quarterly State personal income	(202) 254-6632
Wage and salary income and employment	-7703
Proprietors' income and employment	-6634

6.1 Regional Economic Information System (REIS) CD-ROM, 1969-90 (CD-ROM). Estimates of annual personal income by major source, per capita personal income, earnings by two-digit SIC industry, full- and part-time employment by one-digit SIC industry, regional economic profiles, transfer payments by major program, and farm income and expenses for States, metropolitan areas, and counties. The CD-ROM contains over 450 megabytes of data and documentation. All the estimates are stored as

Regional Economics— Continued

ASCII files that can be accessed in either sequential or random mode. The package includes a REIS program, on a separate floppy disk, that allows the user to display, print, or copy one or more of the standard tables from the historical personal income series.

In addition, the CD-ROM includes BEA estimates of quarterly personal income by State (1969:I-1991:IV) and Census Bureau data on intercounty flows for 1960, 1970, and 1980. New on this year's disc are BEA's latest gross state product estimates for 1977-89; its projections to 2040 of income and employment for States and metropolitan areas; and total commuters' income flows, 1969-90. These additional data, though not accessible through BEA's REIS program, are in fixed-length record formats and are easily imported into spreadsheet or database applications. Updated annually. (May 1992) Available from BEA: Accession No. 55-90-30-599, price \$35.00.

6.2 Local Area Personal Income, 1984-89 (publication). A publication that presents personal income by major type of payment, earnings by major industry, population, and total and per capita personal income for States, metropolitan areas, and counties. (1991) Available from GPO:

Volume 1. Summary: Regions, States, and Metropolitan Areas. Estimates for the United States, regions, States, and metropolitan areas. Also contains county definitions of metropolitan areas, a detailed description of sources and methods, and samples of tables available. GPO Stock No. 003-010-00216-6, price \$15.00.

Each of the following volumes provides a methodology and estimates for the listed States and their counties and metropolitan areas.

Volume 2. New England, Mideast, and Great Lakes Regions. (Connecticut, Delaware, District of Columbia, Illinois, Indiana, Maine, Maryland, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, and Wisconsin) GPO Stock No. 003-010-00217-4, price \$16.00.

Volume 3. Plains Region. (Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota) GPO Stock No. 003-010-00218-2, price \$12.00.

Volume 4. Southeast Region. (Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, and West Virginia) GPO Stock No. 003-010-00219-1, price \$18.00.

Volume 5. Southwest, Rocky Mountain, and Far West Regions and Alaska and Hawaii. (Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oklahoma, Oregon, Texas, Utah, Washington, and Wyoming) GPO Stock No. 003-010-00220-4, price \$16.00.

Special-order regional products . . .

6.3 Regional Income and Employment. The products listed in section 6.3 must be special-ordered from BEA for the specific area(s) needed. Items 6.3.1 through 6.3.12 are for the United States, regions, and States. Items 6.3.13 through 6.3.24 are for the United States, States, metropolitan areas, and counties and will be available in May 1992. All items are available on several media and can be purchased for a single area (a county, a metropolitan area, a State), for groups of areas (several counties, several metropolitan areas, all counties in a State, several States), or for all counties or all States in the United States. Some items are available online through the EBB (see entry no. 1.2). Before placing an order, write to the Regional Economic Measurement Division, REIS, BE-55, Bureau of Economic Analysis, Washington DC 20230, or call (202) 254-6630 for accession numbers, prices, and availability. Call the same number to place charge orders using MasterCard or VISA.

. . . For regions and States

6.3.1 Quarterly Personal Income, 1969-91 (EBB, printout). Total personal income by quarter for the United States, regions, and States. (1992)

6.3.2 Quarterly Personal Income by Major Source and Earnings by Industry, 1969-91 (EBB, computer tape, printout, diskette). Major sources of personal income and earnings by one-digit SIC industry by quarter for the United States, regions, and States. (1992)

6.3.3 Quarterly Wages and Salaries by Major Source and Major Industry, 1969-91 (EBB, computer tape, printout, diskette). Wage and salary disbursements by one-digit SIC industry by quarter for the United States, regions, and States. (1992)

6.3.4 Personal Income, Per Capita Personal Income, and Total Population, 1929-90 (EBB, computer tape, printout, diskette). Total and per capita personal income and population annually for the United States, regions, and States. (1991)

6.3.5 Personal Income by Major Source and Earnings by Industry, 1958-90 (EBB, computer tape, printout, diskette). Major sources of personal income and earnings by two-digit SIC industry annually for the United States, regions, and States. (1991)

6.3.6 Wage and Salary Disbursements by Industry, 1958-90 (EBB, computer tape, printout, diskette). Wages and salaries by two-digit SIC industry annually for the United States, regions, and States. (1991)

6.3.7 Full-Time and Part-Time Employment by Industry, 1969-90 (computer tape, printout, diskette). Total employment by place of work by two-digit SIC industry annually for the United States, regions, and States. (1991)

6.3.8 Full-Time and Part-Time Wage and Salary Employment by Industry, 1969-90 (computer tape, printout, diskette). Wage and salary employment by place of work by two-digit SIC industry annually for the United States, regions, and States. (1991)

6.3.9 Transfer Payments, 1958-90 (computer tape, printout, diskette). Transfer payments by type annually for the United States, regions, and States. (1991)

6.3.10 Farm Income and Expenses, 1969-90 (computer tape, printout, diskette). Major categories of farm income and expenses and gross and net farm income aggregates annually for the United States, regions, and States. (1991)

6.3.11 Personal Tax and Nontax Payments, 1958-90 (computer tape, printout, diskette). Personal tax and nontax payments by level of government and by type of payment (includes total and per capita disposable personal income and population) annually for the United States, regions, and States. (1991)

6.3.12 Disposable Personal Income, Per Capita Disposable Personal Income, and Total Population, 1948-90 (EBB, printout, diskette). Total and per capita disposable personal income and population annually for the United States, regions, and States. (1991)

6.3.13 Personal Income, Per Capita Personal Income, and Total Population, 1969-90 (EBB, computer tape, printout, diskette). Total and per capita personal income and population annually for the United States, States, metropolitan areas, and counties. (May 1992)

. . . For States,
metropolitan areas,
and counties

6.3.14 Per Capita Personal Income Ranking, 1990 (printout). Ranking in the United States and in regions (highest and lowest 250 counties). (May 1992) Available from BEA:

Printout—Accession No. 55-90-20-541, price \$20.00. Rankings among all counties.

Printout—Accession No. 55-90-20-542, price \$20.00. Rankings among counties with total personal incomes greater than \$50 million.

6.3.15 Personal Income by Major Source and Earnings by Major Industry, 1969-90 (computer tape, printout, diskette). Major sources of personal income and earnings by one-digit SIC industry annually for the United States, States, metropolitan areas, and counties. (May 1992)

The items in section 6.3 must be special-ordered. Refer to the text at the beginning of section 6.3 for instructions.

Regional Economics— Continued

The items in section 6.3 must be special-ordered. Refer to the text at the beginning of section 6.3 for instructions.

6.3.16 Personal Income by Major Source and Earnings by Industry, 1969–90 (computer tape, printout). Major sources of personal income and earnings by two-digit SIC industry annually for the United States, States, metropolitan areas, and counties. (May 1992)

6.3.17 Full-Time and Part-Time Employment by Major Industry, 1969–90 (computer tape, printout, diskette). Total employment by one-digit SIC industry annually for the United States, States, metropolitan areas, and counties. (May 1992)

6.3.18 Regional Economic Profile, 1969–90 (computer tape, printout). Summary of income and employment by place of work and residence annually for the United States, States, metropolitan areas, and counties. (May 1992)

6.3.19 Total Wages and Salaries, Total Wage and Salary Employment, and Average Wage Per Job, 1969–90 (computer tape, printout, diskette). Annually for the United States, States, metropolitan areas, and counties. (May 1992)

6.3.20 Transfer Payments, 1969–90 (computer tape, printout, diskette). Transfer payments by type annually for the United States, States, metropolitan areas, and counties. (May 1992)

6.3.21 Farm Income and Expenses, 1969–90 (computer tape, printout, diskette). Major categories of farm income and expenses and gross and net farm aggregates annually for the United States, States, and counties. (May 1992)

6.3.22 BEARFACTS, 1989–90 or 1980–90 (printout, diskette). One-page computer-generated narrative. Describes an area's personal income using current estimates, growth rates, and a breakdown of the sources of personal income for that area for States, metropolitan areas, and counties. (May 1992)

6.3.23 Journey-To-Work, 1960, 1970, 1980 (computer tape, printout, diskette). Data on commuting flows to and from counties from decennial census: By place of work or by place of residence. (1980)

6.3.24 Total Commuters' Income Flows, 1969–90 (computer tape, printout, diskette). Total gross commuters' income flows (inflows and outflows) annually for all counties. (May 1992)

Regional analyses and projections

7.0 BEA prepares analyses to identify and measure factors that determine area differences in total and per capita income and in industry employment and output. Long-term projections of personal income, employment, and earnings by industry are prepared for all States and metropolitan areas every 5 years and for selected States and areas in other years. BEA maintains mid-term regional econometric models to forecast annual changes in economic activity and to analyze the impacts of projects and programs. In conjunction with the projections work, BEA has developed estimates of gross state product. These estimates, prepared by industry, supplement the estimates of personal income described in program description 6.0. For further information, write to the Regional Economic Analysis Division, BE-61, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 523-0946. For specific questions, the following telephone numbers may be used:

Long-term regional projections	(202) 523-0971
Mid-term regional projections	-0943
Regional input-output multipliers	-0586
Gross state product by industry	-9180

7.1 Revised Gross State Product, Annual Estimates, 1977–89 (EBB, computer tape, diskette, CD-ROM). These estimates are the State equivalent of GDP and provide the most comprehensive measure of State production now available. Gross state product is measured in current dollars as the sum of four components for each industry: Compensation of employees; proprietors' income with inventory valuation adjustment and capital consumption allowances; indirect business tax and nontax liability; and

other, mainly capital-related, charges. The estimates are for the 50 States, eight BEA regions, and the United States, and for 61 industries. Estimates are in current and constant (1982) dollars. Summary estimates were published in the December 1991 SURVEY OF CURRENT BUSINESS. (1991) Available online through the EBB (see entry no. 1.2) and on CD-ROM (see entry no. 6.1). Computer tape and diskettes available from BEA:

Computer tape—Accession No. 61-91-00-420, price \$100.00.

Diskette—Accession No. 61-91-40-499, price \$60.00 (3 diskettes). (Also available to users who require estimates for specific States at \$20 per diskette; for information, call (202) 523-9180.)

7.2 Experimental Estimates of Gross State Product by Industry (BEA Staff Paper No. 42). A description of the issues and methodology for preparing estimates of gross state product—the State equivalent of GDP. The estimates are consistent with BEA's State personal income and with GNP by industry. (The estimates published in this paper have been superseded; see entry no. 7.1.) (1985) Available from NTIS: Accession No. PB 85-240885, price \$26.00 (paper copy), \$9.00 (microfiche).

7.3 Regional Multipliers: A User Handbook for the Regional Input-Output Modeling System (RIMS II) (publication). An explanation of how to use regional input-output multipliers, by industry, for output, earnings, and employment. Includes information on how to perform systematic analyses of the regional economic impacts of projects and programs. Also contains multipliers for all States from RIMS II, sample tables of input-output multipliers, and hypothetical case studies. Revised multipliers are now being prepared and will be presented in a publication from GPO in the spring of 1992.

7.4 BEA Regional Projections to 2040 (publication, diskette, CD-ROM). Estimates for 1973, 1979, 1983, and 1988, and projections for 1995, 2000, 2005, 2010, 2020 and 2040 for total personal income, population, per capita personal income, and employment and earnings by industry for the United States, BEA regions, States, metropolitan statistical areas, and BEA economic areas. Available on CD-ROM (see entry no. 6.1). (1990) Available in other media, as follows:

Volume 1. States.

Publication—Available from GPO: Stock No. 003-010-00199-2, price \$7.50.

Diskette—Available from BEA: Accession No. 61-90-40-201, price \$40.00 (two diskettes).

Volume 2. Metropolitan Statistical Areas.

Publication—Available from GPO: Stock No. 003-010-00211-5, price \$17.00.

Diskette—Available from BEA: Accession No. 61-90-40-202, price \$40.00 (two diskettes).

Volume 3. BEA Economic Areas.

Publication—Available from GPO: Stock No. 003-010-00212-3, price \$10.00.

Diskette—Available from BEA: Accession No. 61-90-40-203, price \$40.00 (two diskettes).

Need Help? Try An Index!

SURVEY OF CURRENT BUSINESS:

- Subject Index—in every June and December issue.
- NIPA Index—just after the NIPA tables in the January 1992 issue.
- S-Pages Index—at the back of the S-pages in every issue.
- C-Pages Index—page C-47 of the October 1991 issue.

International Economics

BEA's international economics program encompasses the international transactions accounts (balance of payments) and the direct investment estimates. The international transactions accounts, which measure U.S. transactions with foreign countries, include merchandise trade, trade in services, the current-account balance, and capital transactions. The direct investment estimates cover estimates of U.S. direct investment abroad and foreign direct investment in the United States, income and other flows associated with these investments, and other aspects of the operations of multinational enterprises.

8.1 BEA Reports: International Reports (EBB, news release). Reports (usually 13 a year) with summary estimates of merchandise trade, balance of payments basis (quarterly); summary of international transactions (quarterly); international investment position (annual); capital spending by majority-owned foreign affiliates (semiaannual); direct investment (annual); and related topics. Reports are available online through the EBB (see entry no. 1.2). Printed reports are mailed the day after estimates are released. (This set of reports is included in the five sets of *BEA Reports*; see entry no. 1.3.) The printed international reports are available from BEA on a subscription basis: Accession No. 53-91-11-018, price \$26.00 per year.

U.S. international transactions

9.0 The international transactions accounts provide a detailed and comprehensive view of economic transactions between the United States and foreign countries. The accounts include estimates of merchandise exports and imports; travel, transportation, and other services; foreign aid; and private and official capital flows, including direct investment. (Information about direct investment and international services is provided in program description 10.0.) Current estimates, including estimates of merchandise trade on a balance of payments basis, are reported in the March, June, September, and December issues of the *SURVEY OF CURRENT BUSINESS*. Estimates include detail for the current and capital accounts, classified by type of transaction and by area. Each June, estimates for the last 4 years are revised.

Estimates of the international investment position of the United States appear in June. For further information, write to the Balance of Payments Division, BE-58, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 523-0620. For specific questions, the following telephone numbers may be used:

Current-account analysis	(202) 523-0621
Current-account estimates	-0625
Merchandise trade	-0668
Capital-account transactions	-0603
Government transactions	-0615

A recorded telephone message summarizing key estimates of merchandise trade or U.S. international transactions, whichever is the more recent release, is available at (202) 898-2453 (see entry no. 1.1).

9.1 U.S. Merchandise Trade Data (printout, diskette). Seasonally adjusted and unadjusted exports and imports for the end-use categories used by BEA to derive trade totals on a Census basis. Series begin in 1979. Updated monthly or quarterly. Available from BEA on a subscription basis:

U.S. Merchandise Trade Data, Monthly.

Printout—Accession No. 58-86-21-201, price \$100.00 per year.

Diskette—Accession No. 58-86-41-401, price \$200.00 per year.

U.S. Merchandise Trade Data, Quarterly. Also includes, on a balance of payments basis, exports of agricultural products, nonagricultural products, and nonmonetary gold, and imports of petroleum and products, nonpetroleum products, and nonmonetary gold.

Printout—Accession No. 58-86-21-202, price \$40.00 per year.

Diskette—Accession No. 58-86-41-402, price \$80.00 per year.

9.2 U.S. Merchandise Trade: Exports and Imports by End-Use Category, Monthly (computer tape). Monthly end-use detail (not seasonally adjusted) on a Census basis for exports and imports for 70 countries and areas. Series begin in 1978. Updated monthly. Available from BEA:

U.S. Merchandise Exports, Monthly. Accession No. 58-86-01-001, price \$100.00.

U.S. Merchandise Imports, Monthly. Accession No. 58-86-01-002, price \$100.00.

9.3 U.S. Merchandise Trade: Exports and Imports by End-Use Category, Quarterly (computer tape). Quarterly end-use detail (not seasonally adjusted) on a Census basis for exports and imports for 70 countries and areas. Series begin in 1978. Updated quarterly. Available from BEA:

U.S. Merchandise Exports, Quarterly. Accession No. 58-86-01-003, price \$100.00.

U.S. Merchandise Imports, Quarterly. Accession No. 58-86-01-004, price \$100.00.

9.4 U.S. Merchandise Trade: Exports and Imports by End-Use Category, Annually (computer tape, printout). Annual end-use detail on a Census basis for exports and imports for 70 countries and areas. Series begin in 1978. Updated annually. Available from BEA:

U.S. Merchandise Exports, Annually.

Computer tape—Accession No. 58-86-01-005, price \$100.00

Printout—Accession No. 58-86-21-103, price \$55.00

U.S. Merchandise Imports, Annually.

Computer tape—Accession No. 58-86-01-006, price \$100.00

Printout—Accession No. 58-86-21-104, price \$55.00

9.5 Status Report on Statistical and Methodological Improvements in the U.S. Balance of Payments Statistics (BEA Working Paper No. 6). Reviews major problems, such as timing and coverage, in the balance of payments accounts; describes statistical and methodological improvements BEA has undertaken to resolve some of the problems; and discusses projects for future improvements. (1988) Available from BEA: Accession No. 53-88-10-002, price \$5.00.

9.6 The Balance of Payments of the United States: Concepts, Data Sources, and Estimating Procedures (publication). Describes in detail the methodology used in constructing the balance of payments estimates for the United States. Explains underlying principles and describes the presentation of the estimates. Includes a comprehensive list of data sources. (1990) Available from GPO: Stock No. 003-010-00204-2, price \$8.50.

NOTE.—For a discussion of the relationship between foreign transactions estimates in the balance of payments accounts and those in the national income and product accounts, see entry no. 2.10.

10.0 BEA conducts quarterly, annual, and benchmark surveys of U.S. direct investment abroad and of foreign direct investment in the United States. The information collected relates to the direct investment position and flows of capital, income, royalties and license fees, and other service charges between parent companies and affiliates; capital expenditures by majority-owned foreign affiliates of U.S. companies; the financial structure and operations of U.S. parent companies and their foreign affiliates; the financial structure and operations of U.S. affiliates of foreign companies; and U.S. business enterprises acquired or established by foreign direct investors. Summary information on the annual and quarterly surveys usually appears in the **SURVEY OF CURRENT BUSINESS** on the following schedule:

Direct investment and international services

International Economics— Continued

Foreign direct investment in the United States:

- The position and balance of payments flows, in June, with additional detail in August.
- Operations of U.S. affiliates of foreign companies, in May (July for 1989–91 issues).
- U.S. business enterprises acquired or established by foreign direct investors, in May.

U.S. direct investment abroad:

- The position and balance of payments flows, in June, with additional detail in August.
- Operations of U.S. parent companies and their foreign affiliates, in June (October for 1991 issue and August for 1992 issue).
- Capital expenditures by majority-owned foreign affiliates of U.S. companies, in March and September.

The information BEA provides on U.S. international sales and purchases of services covers cross-border (balance of payments) services transactions, sales of services abroad by nonbank majority-owned foreign affiliates of U.S. companies, and sales of services in the United States by nonbank majority-owned U.S. affiliates of foreign companies. The information on cross-border services transactions is derived from a variety of sources, including BEA surveys, surveys of other Government agencies, and non-Government sources. The information on sales of services by affiliates is obtained from BEA's benchmark and annual direct investment surveys. Since 1990, the data on international services have been published in a detailed and unified format in the September issue of the SURVEY.

For further information on direct investment and international services, write to the International Investment Division, BE-50, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 523-0659. For specific questions, the following telephone numbers may be used:

Foreign direct investment in the United States	(202) 523-0641
International services	-0646
Operations of U.S. parent companies and their foreign affiliates	-3451
Operations of U.S. affiliates of foreign companies	-0641
U.S. direct investment abroad	-3451

Foreign direct investment in the United States

10.1 Foreign Direct Investment in the United States: Operations of U.S. Affiliates of Foreign Companies (publication, diskette). The most detailed results of BEA's annual survey of foreign direct investment in the United States (only summary information appears in articles in the SURVEY OF CURRENT BUSINESS). Contains information on the financial structure and operations of nonbank U.S. affiliates of foreign direct investors. Data are classified by industry of U.S. affiliate, by country and industry of ultimate beneficial owner, and, for selected data, by industry of sales and by State. *Preliminary* estimates from annual surveys are released as soon as possible; *revised* estimates are released one year later. Available as follows:

Foreign Direct Investment in the United States: Operations of U.S. Affiliates of Foreign Companies, Preliminary 1989 Estimates. (1991)

Publication—Available from GPO: Stock No. 003-010-00223-9, price \$5.00.

Diskette—Available from BEA: Accession No. 50-91-40-402, price \$20.00.

Foreign Direct Investment in the United States: Operations of U.S. Affiliates of Foreign Companies, Revised 1988 Estimates. (1991)

Publication—Available from GPO: Stock No. 003-010-00224-7, price \$5.00.

Diskette—Available from BEA: Accession No. 50-91-40-401, price \$20.00.

NOTE.—The annual survey publication for 1987 has been replaced by the publication for the 1987 benchmark survey of foreign direct investment in the United States. (See entry no. 10.2.)

Foreign Direct Investment in the United States: Operations of U.S. Affiliates of Foreign Companies, Revised 1986 Estimates. (1989)

Publication—Available from NTIS: Accession No. PB 90-114083, price \$19.00 (paper copy), \$9.00 (microfiche).

Diskette—Available from BEA: Accession No. 50-89-40-401, price \$20.00.

10.2 Foreign Direct Investment in the United States, 1987 Benchmark Survey, Final Results (publication, diskette). The final results of BEA's 1987 benchmark survey of foreign direct investment in the United States. Benchmark surveys are BEA's most comprehensive surveys, both in terms of companies covered and information gathered. Contains information on the financial structure and operations of the U.S. affiliates of foreign direct investors in 1987. Data are classified by industry of U.S. affiliate, by country and industry of foreign parent or ultimate beneficial owner, and, for selected data, by industry of sales and by State. (1990) Available as follows:

Publication—Available from GPO: Stock No. 003-010-00210-7, price \$14.00.

Diskette—Available from BEA: Accession No. 50-90-40-401, price \$60.00 (three diskettes).

10.3 Foreign Direct Investment in the United States: Establishment Data for 1987 (publication). This will be the first publication in a new annual series that will present detailed results from linking BEA's data for foreign-owned U.S. business enterprises to the Census Bureau's data for the establishments (or plants) of those enterprises. Detailed estimates of the number, employment, payroll, and shipments or sales of foreign-owned U.S. establishments and, for comparative purposes, of all U.S. establishments, will be presented. Data will be classified by detailed industry (4-digit SIC), by country of the ultimate beneficial owner of the investment, and by State. The BEA-Census data link project was mandated by the Foreign Direct Investment and International Financial Data Improvements Act of 1990, which authorized BEA to access confidential Census Bureau data for purposes of the link. Now being prepared: Should be available from GPO in the summer of 1992.

10.4 Foreign Direct Investment in the United States: Balance of Payments and Direct Investment Position Estimates, 1980-86 (publication). Contains final estimates of the foreign direct investment position in the United States and balance of payments transactions between foreign parent groups and their U.S. affiliates for 1980-86. Includes estimates by country of foreign parent and industry of U.S. affiliate. (1990) Available from GPO: Stock No. 003-010-00215-8, price \$3.00.

10.5 Foreign Direct Investment in the United States: Direct Investment Position and Related Capital and Income Flows (diskette). Annual estimates of the foreign direct investment position in the United States and selected capital and income flows between U.S. affiliates and their foreign parent companies. Available from BEA:

1987-90: Accession No. 50-91-40-606, price \$20.00.

1980-86: Accession No. 50-91-40-605, price \$20.00.

10.6 U.S. Business Enterprises Acquired or Established by Foreign Direct Investors, Supplementary Tables (tables, diskette). The results of BEA's survey of new foreign direct investments in the United States. Summary tables appeared in the May 1991 SURVEY OF CURRENT BUSINESS article. This set of supplementary tables contains additional detail for 1987-90 on the number of investments and investors, investment outlays, and selected operating data of the U.S. business enterprises acquired or established. (1991) Comparable tables for 1980-86 are also available. Available from BEA:

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10.7 Foreign Direct Investment in the United States: Gross Product of Nonbank U.S. Affiliates, 1977-87 (tables). Presents, by industry of U.S. affiliate and by country of ultimate beneficial owner, estimates of U.S. affiliates' gross product. (1989) Available from BEA: Accession No. 50-89-20-107, price \$10.00.

10.8 A Guide to BEA Statistics on Foreign Direct Investment in the United States (reprint). Explains the types of data on foreign direct investment in the United States that are collected and published by BEA and clarifies the differences between those data sets. This article appeared in the February 1990 SURVEY OF CURRENT BUSINESS. (1990) Available upon request from the International Investment Division.

**U.S. direct investment
abroad**

10.9 U.S. Direct Investment Abroad: 1989 Benchmark Survey, Preliminary Results (publication, diskette). Preliminary results of BEA's 1989 benchmark survey of U.S. direct investment abroad. Benchmark surveys are BEA's most comprehensive surveys, both in terms of companies covered and information gathered. Presents a detailed account of U.S. direct investment abroad in 1989, including data on balance sheets; income statements; employment; employee compensation; U.S. merchandise trade; sales of goods and services; research and development expenditures; property, plant, and equipment; and taxes. Data are classified by country and industry of affiliate and industry of U.S. parent. (1991) Available as follows:

Publication—Available from GPO: Stock No. 003-010-00225-5, price \$5.50.

Diskette—Available from BEA: Accession No. 50-91-40-404, price \$40.00 (two diskettes).

10.10 U.S. Direct Investment Abroad: Operations of U.S. Parent Companies and Their Foreign Affiliates (publication, diskette). The most detailed results of BEA's annual survey of the worldwide operations of U.S. multinational companies (only summary information appears in the SURVEY OF CURRENT BUSINESS). Contains information on the financial structure and operations of both U.S. parent companies and their foreign affiliates. Data are classified by country and industry of foreign affiliate and by industry of U.S. parent. *Preliminary* estimates from annual surveys are released as soon as possible; *revised* estimates are released one year later.

NOTE.—The annual survey publication for 1989 has been replaced by the publication for the 1989 benchmark survey of U.S. direct investment abroad (see entry no. 10.9).

Available as follows:

U.S. Direct Investment Abroad: Operations of U.S. Parent Companies and Their Foreign Affiliates, Revised 1988 Estimates. (1991)

Publication—Available from NTIS: Accession No. PB 92-101583, price \$19.00 (paper copy), \$9.00 (microfiche).

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Publication—Available from NTIS: Accession No. PB 90-114125, price \$19.00 (paper copy), \$9.00 (microfiche).

Diskette—Available from BEA: Accession No. 50-89-40-403, price \$20.00.

10.11 U.S. Direct Investment Abroad: Balance of Payments and Direct Investment Position Estimates, 1977-81 (publication). Contains final estimates of the U.S. direct investment position abroad and balance of payments transactions between U.S. parent companies and their foreign affiliates for 1977-81. Includes estimates by country and industry of foreign affiliate. (1987) Available from BEA: Accession No. 50-86-10-150, price \$5.00.

10.12 U.S. Direct Investment Abroad, Country by Industry Estimates, 1950-90 (computer tape). Annual estimates of the U.S. direct investment position abroad and of selected capital and income flows between U.S. parent companies and their foreign affiliates. Estimates are for 56 countries by 7 industries for 1950-65, 56 countries by 14 industries for 1966-76, 76 countries by 15 industries for 1977-81, and 80 countries by 15 industries for 1982-90. Available from BEA: Accession No. 50-91-00-666, price \$100.00.

10.13 U.S. International Sales and Purchases of Services (reprint). Presents information on services in a more detailed and unified format than has been available previously. Includes data on cross-border transactions in services (for 1987-90) and on sales of services by foreign affiliates of U.S. companies and by U.S. affiliates of foreign companies (for 1988-89). This article appeared in the September 1991 SURVEY OF CURRENT BUSINESS; data are updated annually. (1991) Available upon request from the International Investment Division.

International services

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Other Tools for Economic Analysis

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11.0 BEA maintains a system of indicators to track business cycles. The system features the composite indexes of leading, coincident, and lagging indicators. The data base includes series classified as cyclical indicators (because they conform well to broad fluctuations in economic activity), as well as other series useful in interpreting the economic situation and outlook. Each month preliminary values of the three composite indexes for the latest month and revised values for the 5 preceding months are released. Once a year, in the fall, the composite indexes are recalculated for recent years to incorporate historical revisions in component data. Information on composite indexes appears each month in the Business Cycle Indicators section (C-pages) of the SURVEY OF CURRENT BUSINESS. For further information, write to the Business Outlook Division, BE-52, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 523-0800. A recorded telephone message at (202) 898-2450 provides current data for the composite indexes (and the leading index components) immediately upon their release. The message is updated weekly, usually on Monday, to include recently available component data that will be incorporated into the next release (see entry no. 1.1).

11.1 BEA Reports: Composite Indexes of Leading, Coincident, and Lagging Indicators (EBB, news release). Monthly reports with summary estimates of the composite indexes. Reports are available online through the EBB (see entry no. 1.2). Printed reports are mailed the day after estimates are released. (This set of reports is included in the five sets of *BEA Reports*; see entry no. 1.3.) The printed composite index reports are available from BEA on a subscription basis: Accession No. 53-91-11-016, price \$24.00 per year.

Other Tools— Continued

11.2 **Cyclical Indicators Methodology** (reprint). Reprints of two articles that appeared in the SURVEY OF CURRENT BUSINESS. "Composite Indexes of Leading, Co-incident, and Lagging Indicators" from the November 1987 issue summarizes the selection and classification of the composite index components and the method of construction of the indexes. "Business Cycle Indicators: Revised Composite Indexes" from the January 1989 issue describes the changes in components, the changes in methodology for computing the indexes, the updating of seasonal factors, and the historical revisions in component data that were incorporated in the March 1989 revision of the composite indexes. Also includes selected other information. (1989) Available from BEA: Accession No. 52-90-10-301, price \$10.00.

11.3 **Business Cycle Indicators Current Data** (EBB, diskette, printout). Data for the last 4 calendar years (plus data for earlier years if revised) for all series in the Business Cycle Indicators (C-pages) section of the SURVEY OF CURRENT BUSINESS. Includes data for about 270 series; most are monthly series. Updated monthly. Available online through the EBB (see entry no. 1.2). Diskettes and printouts are available from BEA on a subscription basis:

Diskette—Accession No. 52-86-41-401, price \$200.00 per year.

Printout—Accession No. 52-88-21-201, price \$100.00 per year.

11.4 **Business Cycle Indicators Historical Data** (EBB, diskette). Historical data (from 1945, when available, to the present) for all series in the Business Cycle Indicators (C-pages) section of the SURVEY OF CURRENT BUSINESS (about 270 series). Updated monthly. Available online through the EBB (see entry no. 1.2). Diskettes are available from BEA: Accession No. 52-86-40-402, price \$40.00 (two diskettes).

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12.0 BEA maintains a set of annual current- and constant-dollar estimates of capital expenditures and operating costs for pollution abatement and control. These estimates, which are prepared within the framework of the national income and product accounts, are classified by sector (consumers, business, and government) and by element of the environment affected (air, land, and water). The most recent SURVEY OF CURRENT BUSINESS article reporting the capital expenditures appeared in November 1988, and the most recent article reporting the total expenditures (including operating costs) appeared in November 1991. For further information, write to the Environmental Economics Division, BE-62, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 523-0687. For specific questions, the following telephone numbers may be used:

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12.1 **BEA Reports: Pollution Abatement and Control Expenditures** (EBB, news release). News release on annual pollution abatement and control expenditures. Available online through the EBB (see entry no. 1.2). Printed release available by calling or writing the Environmental Economics Division.

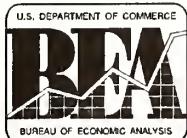
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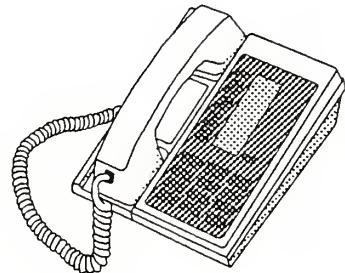
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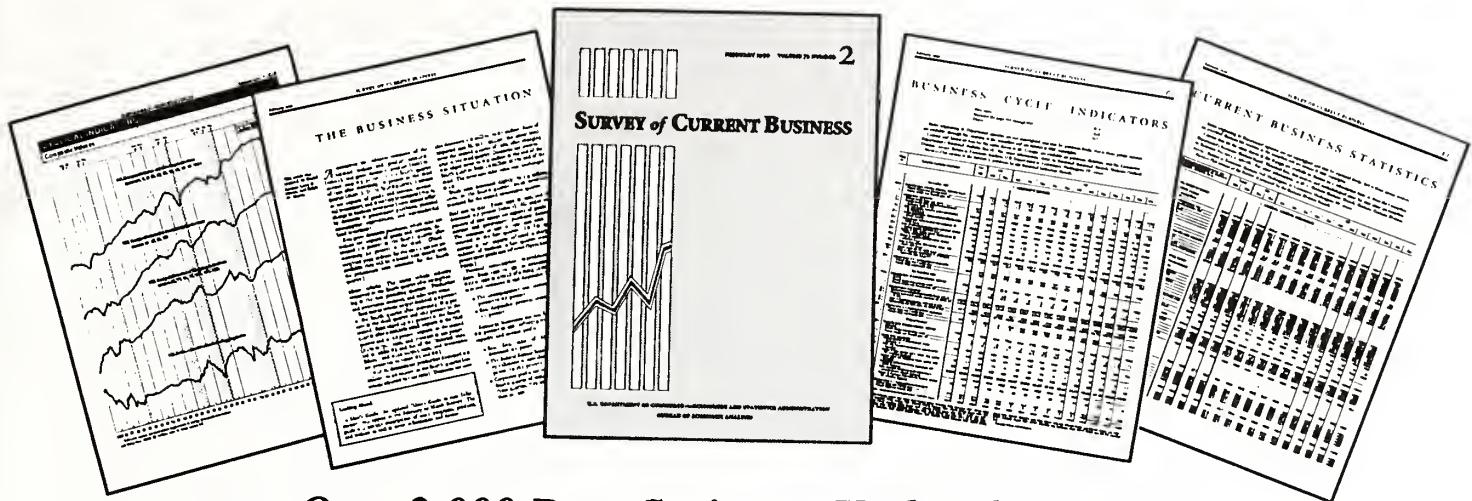
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1992 Release Dates for BEA Estimates

<i>Subject</i>	<i>Release Date*</i>	<i>Subject</i>	<i>Release Date*</i>
State Personal Income, 3d quarter 1991	Jan. 23	State Personal Income, 1st quarter 1992	July 22
Gross Domestic Product, 4th quarter 1991 (advance).....	Jan. 29	Gross Domestic Product, 2d quarter 1992 (advance).....	July 30
Personal Income and Outlays, December 1991	Jan. 30	Personal Income and Outlays, June 1992	July 31
Composite Indexes of Leading, Coincident, and Lagging Indicators, December 1991.	Jan. 31	Composite Indexes of Leading, Coincident, and Lagging Indicators, June 1992.	Aug. 4
Gross Domestic Product, 4th quarter 1991 (preliminary) ...	Feb. 28	State Per Capita Personal Income, 1991 (revised)	Aug. 20
Merchandise Trade (balance of payments basis), 4th quarter 1991.	Mar. 2	Gross Domestic Product, 2d quarter 1992 (preliminary)	Aug. 27
Personal Income and Outlays, January 1992	Mar. 2	Corporate Profits, 2d quarter 1992 (preliminary)	Aug. 27
Composite Indexes of Leading, Coincident, and Lagging Indicators, January 1992.	Mar. 3	Merchandise Trade (balance of payments basis), 2d quarter 1992.	Aug. 28
Summary of International Transactions, 4th quarter 1991 ..	Mar. 17	Personal Income and Outlays, July 1992	Aug. 28
Gross Domestic Product, 4th quarter 1991 (final).....	Mar. 26	Composite Indexes of Leading, Coincident, and Lagging Indicators, July 1992.	Sept. 1
Corporate Profits, 4th quarter 1991 (preliminary)	Mar. 26	Summary of International Transactions, 2d quarter 1992 ...	Sept. 15
Personal Income and Outlays, February 1992	Mar. 27	Gross Domestic Product, 2d quarter 1992 (final)	Sept. 24
Composite Indexes of Leading, Coincident, and Lagging Indicators, February 1992.	Mar. 31	Corporate Profits, 2d quarter 1992 (revised)	Sept. 24
State Personal Income, 4th quarter 1991 and Per Capita Personal Income, 1991 (preliminary).	Apr. 22	Personal Income and Outlays, August 1992	Sept. 25
Gross Domestic Product, 1st quarter 1992 (advance).....	Apr. 28	Composite Indexes of Leading, Coincident, and Lagging Indicators, August 1992.	Sept. 29
Corporate Profits, 4th quarter 1991 (revised).....	Apr. 28	State Personal Income, 2d quarter 1992	Oct. 22
Personal Income and Outlays, March 1992	Apr. 29	Gross Domestic Product, 3d quarter 1992 (advance)	Oct. 27
Composite Indexes of Leading, Coincident, and Lagging Indicators, March 1992.	Apr. 30	Personal Income and Outlays, September 1992	Oct. 28
Metropolitan Area Personal Income, 1990	May 5	Composite Indexes of Leading, Coincident, and Lagging Indicators, September 1992.	Nov. 3
Gross Domestic Product, 1st quarter 1992 (preliminary)....	May 29	Gross Domestic Product, 3d quarter 1992 (preliminary)	Nov. 25
Corporate Profits, 1st quarter 1992 (preliminary)	May 29	Corporate Profits, 3d quarter 1992 (preliminary)	Nov. 25
Merchandise Trade (balance of payments basis), 1st quarter 1992.	June 1	Personal Income and Outlays, October 1992	Nov. 27
Personal Income and Outlays, April 1992	June 1	Merchandise Trade (balance of payments basis), 3d quarter 1992.	Nov. 30
Composite Indexes of Leading, Coincident, and Lagging Indicators, April 1992.	June 2	Composite Indexes of Leading, Coincident, and Lagging Indicators, October 1992.	Dec. 1
Summary of International Transactions, 1st quarter 1992 ..	June 16	Summary of International Transactions, 3d quarter 1992 ...	Dec. 15
Gross Domestic Product, 1st quarter 1992 (final).....	June 25	Gross Domestic Product, 3d quarter 1992 (final)	Dec. 22
Corporate Profits, 1st quarter 1992 (revised)	June 25	Corporate Profits, 3d quarter 1992 (revised)	Dec. 22
Personal Income and Outlays, May 1992	June 26	Personal Income and Outlays, November 1992	Dec. 23
Composite Indexes of Leading, Coincident, and Lagging Indicators, May 1992.	June 30	Composite Indexes of Leading, Coincident, and Lagging Indicators, November 1992.	Dec. 30

* These are target dates and are subject to revision.

For further information, call (202) 523-0777, or write to
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